

AMENDED CLAIMS

[Received by the International Bureau on 25 May 2005 (25.05.05):
original claims 1-9 are amended, new claims 10-14 are added.]

1. (Amended) A server that detects an unauthorized terminal from terminals, said server comprising:

5 a terminal information receiving unit operable to receive terminal information from each terminal, the terminal information including: one of unique information that is previously assigned to the terminal and authentication information that is defined based on the unique information; and additional identification 10 information that is additionally assigned to the terminal;

a terminal information holding unit operable to hold server terminal information including pieces of terminal information;

15 a terminal information search unit operable to search the server terminal information held in said terminal information holding unit based on the received terminal information; and

20 an unauthorized terminal judgment unit operable to judge that the terminal is an unauthorized terminal in the case where the number of different pieces of additional identification information, which is detected correspondingly to identical one of the unique information and the authentication information defined based on the unique information as a result of the search, is equal to or greater than a predetermined number.

25 2. (Amended) The server according to Claim 1, further comprising

a terminal verification unit operable to verify an authenticity of the terminal using received one of the unique information and the authentication information defined based on the unique information,

30 wherein the server terminal information includes: one of the unique information whose authenticity has been verified by said terminal verification unit; and the authentication information

defined based on the unique information.

3. (Amended) The server according to Claim 1,
wherein additional identification information included in
5 terminal information received by said terminal information
receiving unit is information concerning a user who uses the
terminal.

4. (Amended) The server according to Claim 1,
10 wherein the additional identification information is
information that an owner of the terminal inputs into the terminal.

5. (Amended) The server according to Claim 1,
wherein the additional identification information is an IP
15 address of the terminal.

6. (Amended) The server according to Claim 1, further
comprising:

a receiving unit operable to receive the additional
20 identification information from an operator of said server; and
an unregistered additional identification information
judgment unit operable to judge whether the received additional
identification information is registered in terminal information held
in said terminal information search unit,

25 wherein the terminal information search unit is further
operable to register the additional identification information in the
case where the authenticity of one of the unique information and
the authentication information is verified and said unregistered
additional identification information judgment unit judges that the
30 additional identification information is not registered.

7. (Amended) The server according to Claim 1,

wherein, the terminal is permitted to access the digital content related to a predetermined package content at predetermined times by accessing said server via the network,
said server further comprising

5 a history holding unit operable to hold information indicating history of a digital content that is accessed by the terminal in a unit of each terminal specified by a pair of (i) one of the unique information and the authentication information and (ii) the additional identification information,

10 wherein said unauthorized terminal judgment unit is further operable to judge that the terminal is an unauthorized terminal in the case where a digital content that is accessed, exceeding the access limit, by a terminal that has an identical (i) one of the unique information and the authentication information and (ii) the
15 identical additional identification information.

8. (Amended) The server according to Claim 7,
wherein one of the unique information and the authentication information is one of a secret key in a secret key
20 encryption method and a public key certificate in a public key encryption method.

9. (Amended) A terminal connected to a server that detects an unauthorized terminal, said terminal comprising
25 a terminal information transmitting unit operable to transmit terminal information to the server, the terminal information including: one of unique information that is previously assigned to said terminal and authentication information that is defined based on the unique information; and additional
30 identification information that is additionally assigned to said terminal,

wherein the terminal information is used for searching

server terminal information including pieces of terminal information held in the server, and

the terminal information is further used for judging that said terminal is an unauthorized terminal in the case where the number of different pieces of additional identification information, which is detected correspondingly to identical one of the unique information and the authentication information defined based on the unique information as a result of the search, is equal to or greater than a predetermined number.

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10. (New) An unauthorized terminal detection system comprising a server that detects an unauthorized terminal from terminals and a terminal connected to said server,

wherein said terminal includes

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a terminal information transmitting unit operable to transmit terminal information to said server, the terminal information including: one of unique information that is previously assigned to said terminal and authentication information that is defined based on the unique information; and additional identification information that is additionally assigned to said terminal,

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the server includes:

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a terminal information receiving unit operable to receive terminal information from each terminal, the terminal information including: identical one of the unique information that is previously assigned to said terminal and the authentication information that is defined based on the unique information; and the additional identification information that is additionally assigned to said terminal;

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a terminal information holding unit operable to hold server terminal information including pieces of terminal information;

a terminal information search unit operable to search the

server terminal information held by said terminal information holding unit based on the received terminal information; and

an unauthorized terminal judgment unit operable to judge that the terminal is an unauthorized terminal in the case where the

5 number of different pieces of additional identification information, which is detected correspondingly to identical one of the unique information and the authentication information defined based on the unique information as a result of the search, is equal to or greater than a predetermined number.

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11. (New) An unauthorized terminal detection method for detecting an unauthorized terminal from terminals and a terminal connected to the server, said method comprising:

15 receiving terminal information from each terminal, the terminal information including: one of unique information that is previously assigned to the terminal and authentication information that is defined based on the unique information; and additional identification information that is additionally assigned to said terminal;

20 searching server terminal information including pieces of terminal information held in said server based on the received terminal information; and

25 judging that a terminal is an unauthorized terminal in the case where the number of different pieces of additional identification information, which is detected correspondingly to identical one of the unique information and the authentication information defined based on the unique information as a result of the search, is equal to or greater than a predetermined number.

30 12. (New) The unauthorized terminal detection method according to Claim 11, further comprising:

verifying an authenticity of the terminal using received one

of the unique information and the authentication information defined based on the unique information,

5 wherein the server terminal information includes one of: the unique information whose authenticity has been verified in said verifying; and the authentication information defined based on the unique information.

10 13. (New) A program for a server that detects an unauthorized terminal from terminals, said program causing a computer to execute:

15 receiving terminal information from each terminal the terminal information including: one of the unique information that is previously assigned to the terminal and the authentication information that is defined based on the unique information; and additional identification information that is additionally assigned to said terminal;

searching server terminal information including pieces of terminals information held in said server based on the received terminal information; and

20 judging that a terminal is an unauthorized terminal in the case where the number of different pieces of additional identification information, which is detected correspondingly to identical one of the unique information and the authentication information defined based on the unique information as a result of the search, is equal to or greater than a predetermined number.

25 14. (New) The program according to Claim 13, further comprising:

30 verifying an authenticity of the terminal using received one of the unique information and the authentication information defined based on the unique information,

wherein, the server terminal information includes one of:

unique information whose authenticity has been verified in said verifying; and authentication information defined based on the unique information.